CLAIMS

1 A recording/reproducing apparatus adapted for performing Read After Write operation for signals through a recording medium,

the recording/reproducing apparatus comprising:

first distribution means for distributing reproduction signals obtained from the recording medium to plural channels;

second distribution means for distributing cause signals of crosstalk signals included in the reproduction signals obtained from the recording medium to plural channels;

memory means of plural channels for storing, every channel, the reproduction signals and the cause signals which have been distributed to plural channels by the first and second distribution means; and

crosstalk cancellers of plural channels for generating pseudo crosstalk signals of respective channels on the basis of the reproduction signals and the cause signals of respective channels which are read out from the memory means of plural channels to cancel crosstalk signals included in the reproduction signals of respective channels,

wherein, in a reproducing system, there are obtained reproduction signals of plural channels in which crosstalk signals have been cancelled every channel by the crosstalk cancellers of plural channels.

2 The recording/reproducing apparatus as set forth in claim 1,

wherein the second distribution means distributes and delivers binary signal series to the memory means of plural channels as cause signals of crosstalk signals included in reproduction signals obtained from the recording medium.

3 The recording/reproducing apparatus as set forth in claim 1,

wherein the second distribution means distributes and delivers multi-value signal series to the memory means of plural channels as cause signals of crosstalk signals included in reproduction signals obtained from the recording medium.

4 The recording/reproducing apparatus as set forth in claim 1,

wherein the second distribution means distributes and delivers plural kinds of cause signals of crosstalk signals included in reproduction signals obtained from the recording medium to the memory means of plural channels, and

wherein, in the reproducing system, there are obtained reproduction signals of plural channels in which plural kinds of crosstalks included in reproduction signals obtained from the recording medium have been cancelled every channel by the crosstalk cancellers of plural channels.

5 The recording/reproducing apparatus as set forth in claim 1,

wherein the second distribution means distributes and delivers recording signals from a recording system for recording signals with respect to the recording medium to the memory means of plural channels as cause signals of crosstalk signals included in reproduction signals obtained from the recording medium, and

wherein, in the reproducing system, there are obtained reproduction signals

of plural channels in which recording signal crosstalks included in reproduction signals obtained from the recording medium have been cancelled every channel by the crosstalk cancellers of plural channels.

6 The recording/reproducing apparatus as set forth in claim 1,

wherein the second distribution means distributes and delivers power transmission signals from a power transmission system to the memory means of plural channels as cause signals of crosstalk signals included in reproduction signals obtained from the recording medium, and

wherein, in the reproducing system, there are obtained reproduction signals of plural channels in which power transmission signal crosstalks included in reproduction signals obtained from the recording medium have been cancelled every channel by the crosstalk cancellers of plural channels.

7 The recording/reproducing apparatus as set forth in claim 1, comprising

a RMIC (Remote Memory In Cassette) signal recording/reproducing system in which there is used a tape cassette within which there is mounted a remote memory chip comprising an antenna and a wireless communication system circuit, etc. along with a non-volatile memory for storing various management information relating to recording/reproducing operation, etc. with respect to a magnetic tape as the recording medium, and serving to execute recording/reproducing operation of data with respect to the non-volatile memory in the state where there is no contact with the tape cassette,

wherein the second distribution means distributes and delivers RMIC signals from the RMIC signals recording/reproducing system to the memory means of plural channels as cause signals of crosstalk signals included in reproduction signals obtained from the recording medium, and

wherein, in the reproducing system, there are obtained reproduction signals of plural channels in which RMIC signal crosstalks included in reproduction signals obtained from the recording medium have been cancelled every channel by the crosstalk cancellers of plural channels.

8 The recording/reproducing apparatus as set forth in claim 1,

wherein the crosstalk canceller is composed of an adaptive filter for generating a pseudo crosstalk signals from cause signals which is read out from the memory means and reproduction signals in which the crosstalk signals have been cancelled, and arithmetic means for subtracting the pseudo crosstalk signals from reproduction signals which is read out from the memory means to thereby generate reproduction signals in which the crosstalk signals have been cancelled.

9 A crosstalk cancellation method of canceling crosstalk included in reproduction signals obtained in a reproducing system of a recording/reproducing apparatus adapted for performing Read After Write operation for signals through a recording medium,

the crosstalk cancellation method comprising:

distributing reproduction signals obtained from the recording medium to

plural channels to store them into memory means of plural channels, and distributing cause signals of crosstalk signals included in the reproduction signals obtained from the recording medium to plural channels to store them into memory means of plural channels; and

generating pseudo crosstalk signals pf respective channels on the basis of reproduction signals and cause signals of respective channels which are read out from the memory means of plural channels to cancel, every channel, crosstalk signals included in the reproduction signals of respective channels.